CLAIMS

1. *(Canceled)*

2. *(Currently amended)* A method for generating a panoramic image, comprising:

a camera capturing a series of image frames each of a portion of a panoramic image scene;

said camera combining the image frames into a panoramic image while said camera is capturing said series of image frames; wherein said capturing comprises

said camera capturing a first image frame having a resolution that corresponds to a resolution of the panoramic image; and

said camera capturing a second image frame having a resolution that corresponds to the resolution of the panoramic image if a relative motion between the first and second image frames is detected.

3. *(Previously presented)* The method of claim 2 further comprising said camera determining the relative motion by capturing a series of image frames having a resolution that is lower than the resolution of the panoramic image.

4. *(Previously presented)* The method of claim 3 wherein the lower resolution is selected to maintain an overlap in the image frames having the lower resolution in response to the relative motion.

5. *(Previously presented)* The method of claim 2 further comprising said camera detecting the relative motion using a motion sensor.

6. *(Previously presented)* The method of claim 2 wherein combining comprises combining the first and the second image frames in response to the relative motion.

2

7. *(Previously presented)* The method of claim 5 further comprising said camera discarding an overlapping portion of one of the first and second image frames from the memory.

8-10 *(Canceled)*

11. *(Previously presented)* A method for generating a panoramic image, said method comprising:

a camera capturing a series of image frames each of a portion of a panoramic image scene; and

said camera combining the image frames into a panoramic image while the series of image frames is being obtained and providing a visual feedback to a user that indicates the progress of the panoramic image wherein providing a visual feedback comprises providing a depiction of areas of the panoramic image that need to be re-sampled.

12. *(Previously presented)* The method of claim 11, wherein providing a visual feedback comprises said camera providing a depiction of missing areas of the panoramic image.

13. *(Canceled)*

14. *(Previously presented)* The method of claim 2 further comprising said camera capturing a set of image frames that define a set of boundaries of the panoramic image.

15. *(Currrently amended)* The method of claim 2 further comprising:

said camera performing a zoom in on an object of interest in the panoramic image;

said camera capturing an image frame that provides a sample of the object of interest such that the image frame of the object of interest has a higher resolution than the image frames obtained from a remainder of the panoramic image;

said ~~camera~~ camera recording a set of metadata pertaining to the zoom; and

said camera combining the image frame of the object of interest with the remainder of the panoramic image in response to the metadata.

16. *(Currently amended)* A camera comprising:

image sensor for capturing a series of image frames each of a portion of a panoramic image scene including a first image frame having a resolution that corresponds to a resolution of a panoramic image and a second image frame having a resolution that corresponds to the resolution of said panoramic image; and

processor that combines the first and second image frames into the panoramic image while the series of image frames is being obtained if a relative motion between the first and second image frames is detected.

17. *(Original)* The camera of claim 16, wherein the image frames include one or more image frames having a resolution that corresponds to a resolution of the panoramic image and one or more image frames having a resolution that is lower than the resolution of the panoramic image.

18. *(Previously presented)* The camera of claim 16 wherein the processor determines the relative motion.

19. *(Previously presented)* The camera of claim 16 further comprising a motion sensor.

20. *(Previously presented)* The camera of claim 16 further comprising a memory for storing portions of the image frames for the panoramic image.

21. *(Previously presented)* The camera of claim 16 wherein the image frames each comprise a strip of the panoramic image scene.

22. *(Previously presented)* The camera of claim 16 further comprising means for providing a visual feedback to a user that indicates the progress of the panoramic image.

23. *(Previously presented)* The camera of claim 16 further comprising means for performing a zoom in on an object of interest in the panoramic image such that the image sensor captures an image frame of the object of interest having a higher resolution than the image frames obtained from a remainder of the panoramic image and the processor records a set of metadata pertaining to the zoom.

24. *(Previously presented)* The camera of claim 23 wherein the processor combines the image frame of the object of interest with the remainder of the panoramic image in response to the metadata.

25-27. *(Canceled)*